Beyond WMAP

Lloyd Knox
(Email: knox@bubba.physics.ucdavis.edu)
University of California, Davis

Future missions beyond WMAP will have improved angular resolution, sensitivity and frequency coverage. With these improvements, we can greatly improve our understanding of inflation (or whatever created the primordial inhomogeneities), probe the reionization history of the inter-galactic medium, and possibly detect the influence of non-zero neutrino mass on the energy density of relic neutrinos. Cosmological parameters will be determined well enough that analyses of low-redshift probes (e.g., cosmic shear and SNe-Ia) can consider them fixed, allowing for tight constraints on dark energy parameters.

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